

a circuit for outputting said wavelength alarm when the wavelength detected by said wavelength monitor is deviated from a predetermined range.

9. (ONCE AMENDED) An optical sender according to claim 4, wherein:  
said light source comprises a laser diode for outputting a forward beam and a backward beam; and  
said forward beam being supplied to said optical modulator, said backward beam being supplied to said wavelength monitor.

C3  
Sub D3  
10. (ONCE AMENDED) An optical sender comprising:  
a light source for outputting a light beam;  
an optical modulator for modulating said light beam in accordance with a main signal to output an optical signal; and  
means for shutting down said optical signal when receiving at least one of a power alarm relating to on/off of power supply and a wavelength alarm relating to the wavelength of said light beam, wherein said power alarm and said wavelength alarm are provided inside the optical sender,  
said shutting down means comprising:  
an optical element for receiving said optical signal output from said optical modulator; and  
means for controlling said optical element so that the transmittance of said optical element is reduced when receiving at least one of said power alarm and said wavelength alarm.

Sub D3  
C4  
15. (ONCE AMENDED) An optical sender according to claim 10, wherein said shutting down means comprises means for switching the operating point of said optical modulator and shutting down input of said main signal into said optical modulator when receiving at least one of said power alarm and said wavelength alarm.

Sub D4  
C5  
19. (TWICE AMENDED) A terminal device for wavelength division multiplexing, comprising:  
a plurality of optical senders for outputting optical signals having different wavelengths;  
and  
an optical multiplexer for receiving said optical signals to output wavelength division

Sub D  
cont.  
multiplexed signal light,

wherein each of said optical senders comprises:

a light source for outputting a light beam;

an optical modulator for modulating said light beam in accordance with a main signal to output an optical signal; and

means for shutting down said optical signal when receiving at least one of a power alarm relating to on/off of power supply and a wavelength alarm relating to the wavelength of said light beam, wherein said power alarm and said wavelength alarm are provided inside of the respective optical sender,

said shutting down means comprising:

an optical element for receiving said optical signal output from said optical modulator; and

means for controlling said optical element so that the transmittance of said optical element is reduced when receiving at least one of said power alarm and said wavelength alarm.

C5  
20. (TWICE AMENDED) An optical communication system for wavelength division multiplexing, comprising:

first and second terminal devices; and

an optical fiber transmission line for connecting said first and second terminal devices, wherein at least one of said first and second terminal devices comprises:

a plurality of optical senders for outputting optical signals having different wavelengths; and

an optical multiplexer for receiving said optical signals to output wavelength division multiplexed signal light,

wherein each of said optical senders comprises:

a light source for outputting a light beam;

an optical modulator for modulating said light beam in accordance with a main signal to output an optical signal; and

means for shutting down said optical signal when receiving at least one of a power alarm relating to on/off of power supply and a wavelength alarm relating to the wavelength of said light beam, wherein said power alarm and said wavelength alarm are provided inside of the respective optical sender,

Sub D4  
cancel

said shutting down means comprising:  
an optical element for receiving said optical signal output from said  
optical modulator; and  
means for controlling said optical element so that the  
transmittance of said optical element is reduced when receiving at least one of said power alarm  
and said wavelength alarm.

Sub D5  
Q6

23. (ONCE AMENDED) An optical sender according to claim 31, further comprising:  
a circuit supplying a power to said light source; and  
a power supervisory circuit monitoring on/off of supply of the power to said light source  
and outputting said power alarm during a given time period from a time the supply of the power  
to said light source becomes on or off.

C7

25. (ONCE AMENDED) An optical sender according to claim 31, further comprising:  
a wavelength monitor detecting the wavelength of said light beam; and  
a circuit outputting said wavelength alarm when the wavelength detected by said  
wavelength monitor is deviated from a predetermined range.

30. (ONCE AMENDED) An optical sender according to claim 25, wherein:  
said light source comprises a laser diode outputting a forward beam and a backward  
beam; and  
said forward beam being supplied to said optical modulator, said backward beam being  
supplied to said wavelength monitor.

C8  
Sub D6

31. (ONCE AMENDED) An optical sender comprising:  
a light source outputting a light beam;  
an optical modulator modulating said light beam in accordance with a main signal to  
output an optical signal; and  
a shutting down device shutting down said optical signal when receiving at least one of a  
power alarm relating to on/off of power supply and a wavelength alarm relating to the wavelength  
of said light beam, wherein said power alarm and said wavelength alarm are provided inside the  
optical sender,  
~~said shutting down device comprising.~~

*Sub D6  
cancel.*

an optical element receiving said optical signal output from said optical modulator; and  
a second controlling device controlling said optical element so that the transmittance of said optical element is reduced when receiving at least one of said power alarm and said wavelength alarm.

*Sub D7  
C9*

36. (ONCE AMENDED) An optical sender according to claim 31, wherein said shutting down device comprises a switching device switching the operating point of said optical modulator and shutting down input of said main signal into said optical modulator when receiving at least one of said power alarm and said wavelength alarm.

*Sub D8  
C10*

40. (TWICE AMENDED) A terminal device for wavelength division multiplexing, comprising:  
a plurality of optical senders outputting optical signals having different wavelengths; and  
an optical multiplexer receiving said optical signals to output wavelength division multiplexed signal light,  
wherein each of said optical senders comprises:  
a light source outputting a light beam;  
an optical modulator modulating said light beam in accordance with a main signal to output an optical signal; and  
a shutting down device shutting down said optical signal when receiving at least one of a power alarm relating to on/off of power supply and a wavelength alarm relating to the wavelength of said light beam, wherein said power alarm and said wavelength alarm are provided inside of the respective optical sender, and said shutting down device comprises:  
an optical element receiving said optical signal output from said optical modulator; and  
a second controlling device controlling said optical element so that the transmittance of said optical element is reduced when receiving at least one of said power alarm and said wavelength alarm.

41. (TWICE AMENDED) An optical communication system for wavelength division multiplexing, comprising:  
~~first and second terminal devices; and~~

*Sub 18  
concl.*

an optical fiber transmission line connecting said first and second terminal devices;  
wherein at least one of said first and second terminal devices comprises,  
a plurality of optical senders outputting optical signals having different  
wavelengths; and  
an optical multiplexer receiving said optical signals to output wavelength division  
multiplexed signal light;  
wherein each of said optical senders comprises:  
a light source outputting a light beam;  
an optical modulator modulating said light beam in accordance with a  
main signal to output an optical signal; and  
a shutting down device shutting down said optical signal when receiving at  
least one of a power alarm relating to on/off of power supply and a wavelength alarm relating to  
the wavelength of said light beam, wherein said power alarm and said wavelength alarm are  
provided inside of the respective optical sender, and said shutting down device comprises:  
an optical element receiving said optical signal output from said  
optical modulator; and  
a second controlling device controlling said optical element so that  
the transmittance of said optical element is reduced when receiving at least one of said power  
alarm and said wavelength alarm.

*C/O  
concl.*

42. (AS UNAMENDED) An optical communication system according to claim 41,  
further comprising at least one optical amplifier arranged along said optical fiber transmission  
line.